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1894-7699

SHEET 1.

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Metal.
itery Scourers

Corke

British No. 7,699

Apr. 18, 1894

[This Drawing is a reproduction of the Original on a reduced scale]

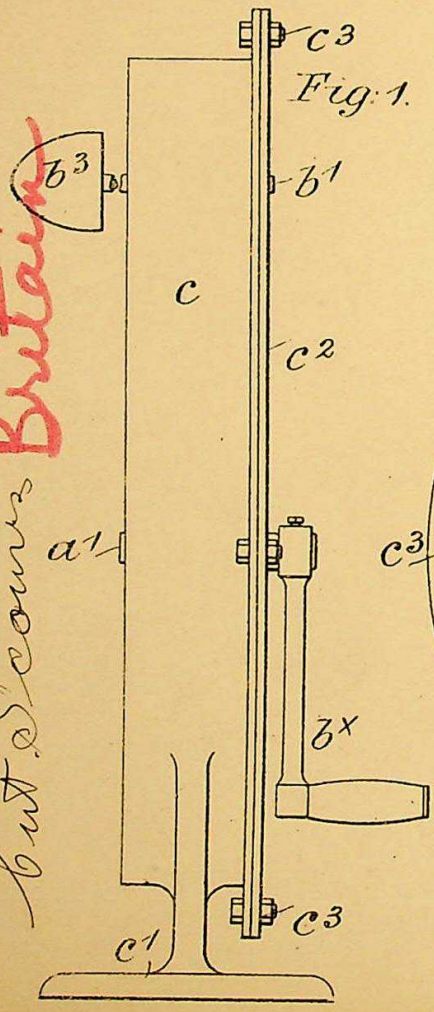


Fig. 1.

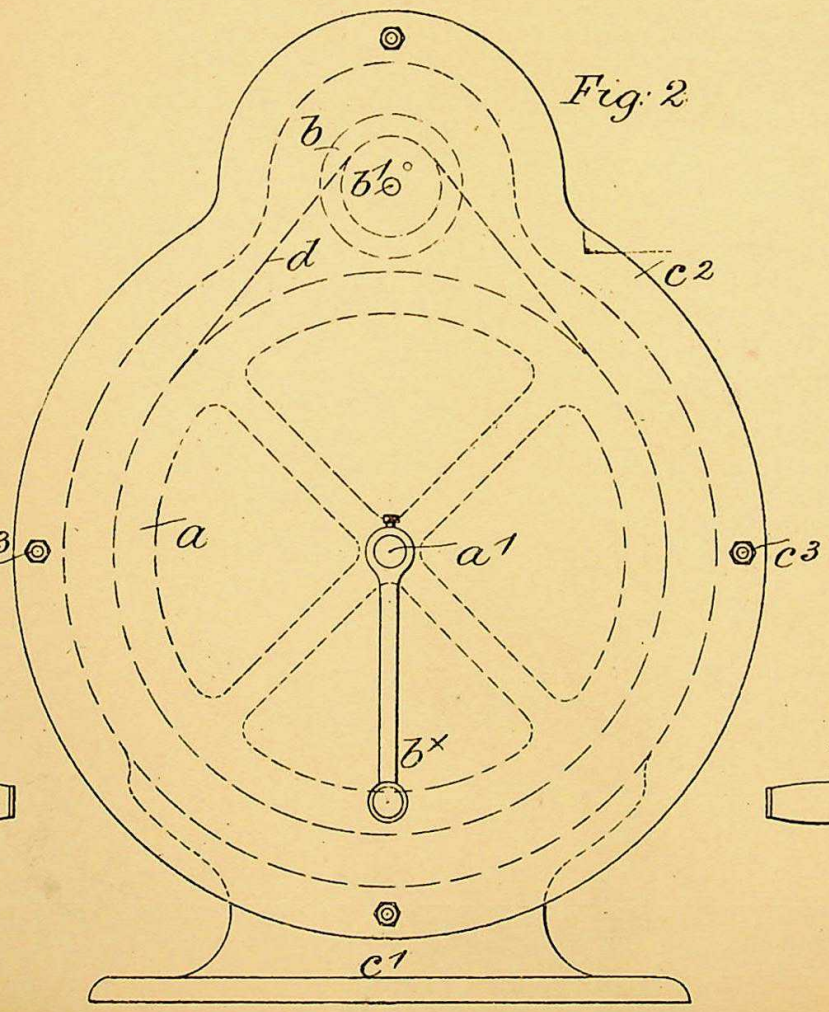


Fig. 2.

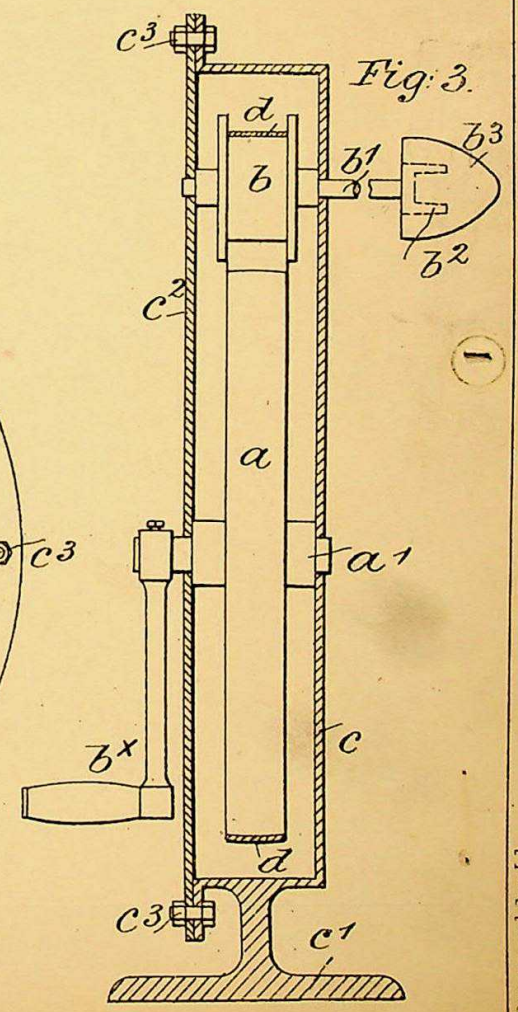


Fig. 3.

Malby & Sons, Photo-Litho.

DAVINE and Sons Ltd.
Stationery Office, 1895.

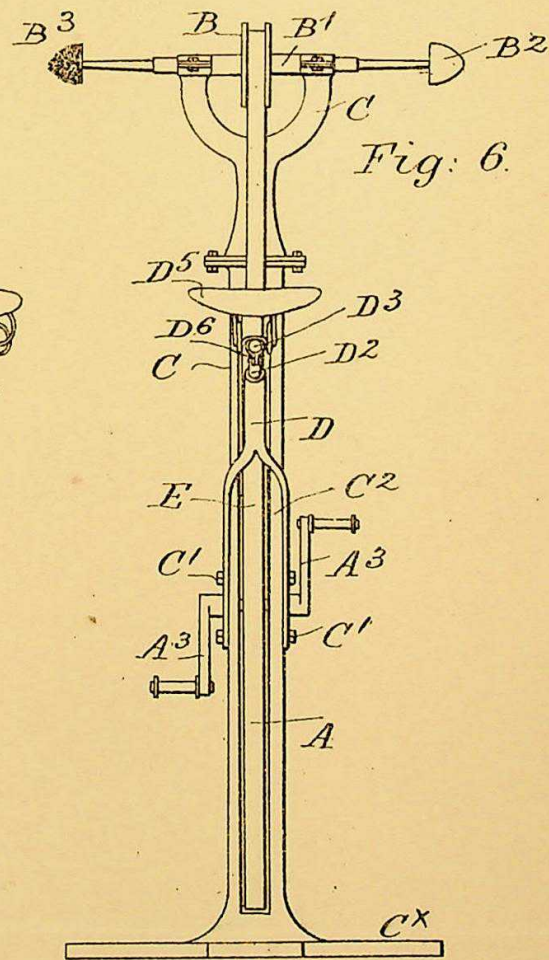
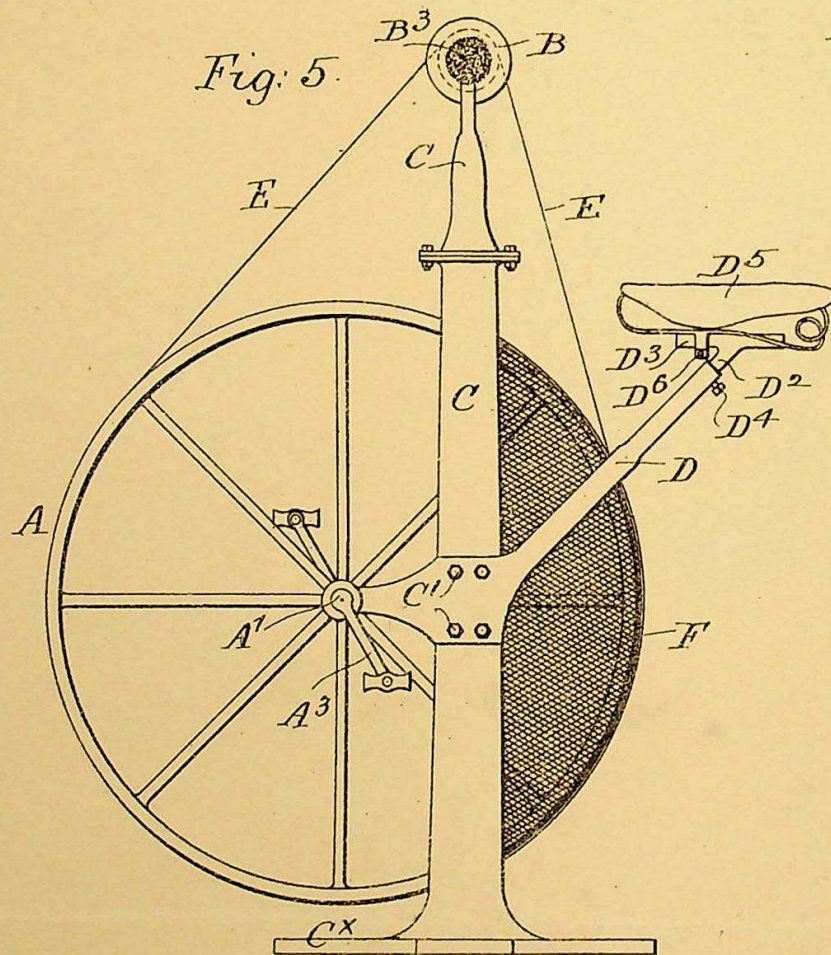
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Metall.
Cutlery Scourers.

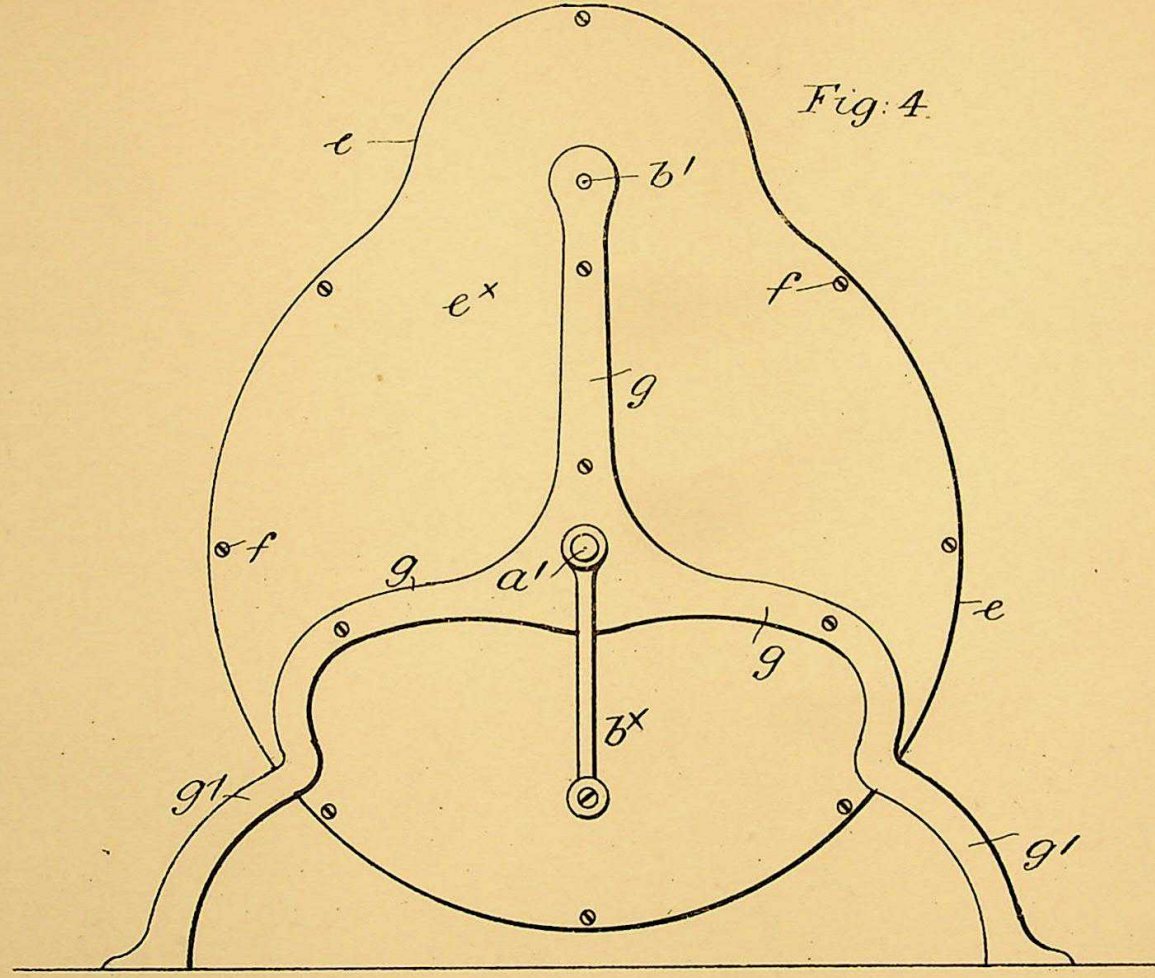
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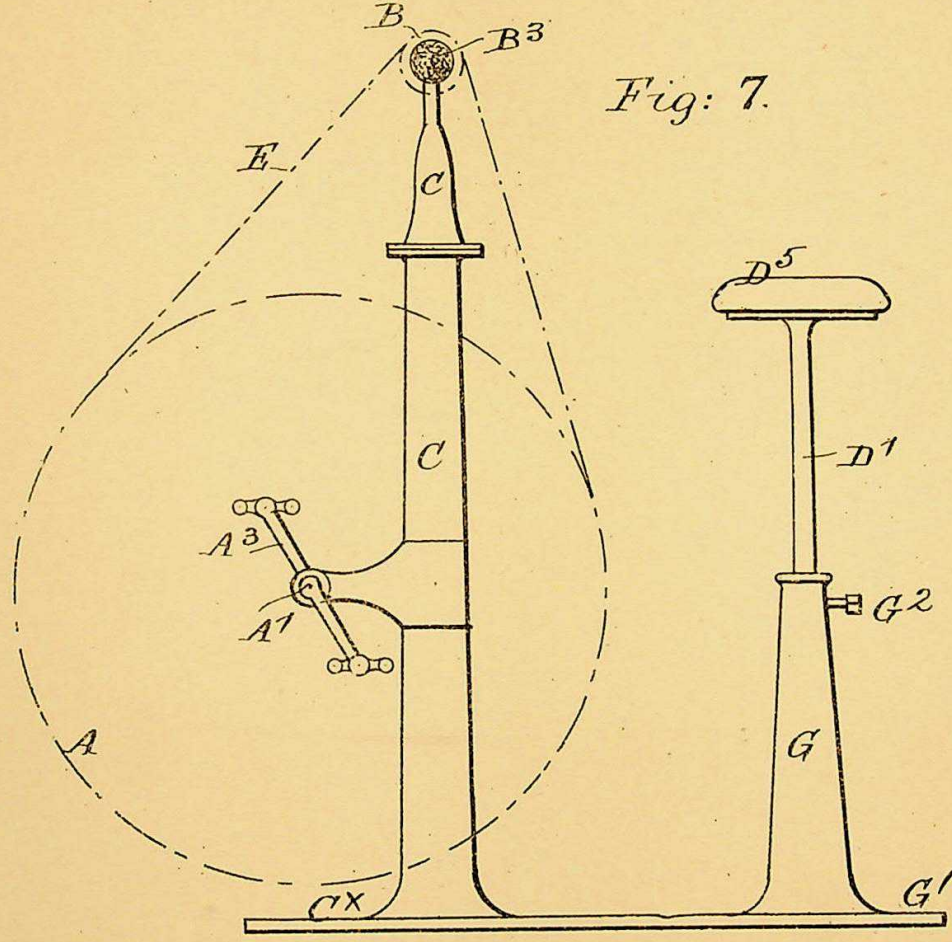
SHEET 3.



J. Grinding & Polishing.
Metal.
Cutlery Scourers.



W. L. GRINDING & POLISHING
MACHINES
GUTHRIE SCOURERS



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A.D. 1894

Date of Application, 18th Apr., 1894

Complete Specification Left, 18th Jan., 1895—Accepted, 9th Mar., 1895

PROVISIONAL SPECIFICATION.

A Domestic or Labour-saving Appliance for Polishing Plated and other Articles.

I, WILLIAM RICHARD CORKE of 28 and 29, Northampton Square in the County of London, Silversmith, do hereby declare the nature of this invention to be as follows:—

This invention has for its object to construct a domestic or labour-saving appliance for polishing plated and other articles of a similar character.

According to my invention I arrange in a suitable framework or support an axis or spindle, one end of which is prolonged and receives a polishing bob or the like to which rapid rotary motion is imparted by any simple and convenient speed multiplying gear or means, such as by a small pulley mounted on the said axis or spindle and driven by frictional contact from a larger pulley actuated by a crank-handle. In order to ensure good frictional contact the peripheries of these pulleys may advantageously be covered with leather, india-rubber or other suitable material.

The prolonged end of the before-mentioned axis or spindle may terminate in a forked or bifurcated portion which is adapted to fit into holes formed for its reception in the polishing bob or the like, the latter being retained in place thereon by nuts, thumbscrews, or other desired means.

Instead of actuating the appliance by hand, I can if preferred so arrange the parts as to enable it to be driven by the foot.

By my invention I can produce a light, convenient, and comparatively inexpensive appliance which is easy to work, simple in construction and therefore unlikely to get out of order, and particularly useful in the household for polishing any article requiring to be polished.

Dated this 18th day of April 1894.

WM. MELLERSH-JACKSON,
75, Chancery Lane, London, W.C., Agent for the Applicant.

COMPLETE SPECIFICATION.

A Domestic or Labour-saving Appliance for Polishing Plated and other Articles.

I, WILLIAM RICHARD CORKE of 28 and 29, Northampton Square, in the County of London, Silversmith do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention has for its object to construct a domestic or labour-saving appliance for polishing plated and other articles of a similar character.

According to my invention I arrange in a suitable framework or support an axis or spindle, one or both ends of which are prolonged and receive polishing bobs or the like to which rapid rotary motion is imparted by any simple and convenient speed multiplying gear such as by means of a small pulley mounted on the said

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axis or spindle and driven by a band or by frictional contact from a larger pulley actuated by a crank-handle.

The prolonged end or ends of the before mentioned axis or spindle may terminate in forked or bifurcated portions which are adapted to fit into holes formed for their reception in the polishing bobs or the like. 5

Instead of actuating the appliance by hand, I can if preferred so arrange the parts as to enable it to be driven by the feet.

By my invention I can produce a light, convenient, and comparatively inexpensive appliance, which is easy to work, simple in construction and therefore unlikely to get out of order, and particularly useful for polishing plated or other articles. 10

In order that my said invention may be fully understood and readily carried into effect I will proceed to describe the drawings hereunto annexed.

DESCRIPTION OF THE DRAWINGS.

Figure 1. is an edge view, Figure 2. a face view and Figure 3. a vertical central cross section of Figure 2. showing an appliance constructed in accordance with my invention and adapted to be worked by hand. 15

Figure 4. is a face view shewing a modification of the appliance illustrated in the preceding figures.

Figure 5. is a side elevation and Figure 6. a front elevation shewing a modified construction of the appliance adapted to be worked by the feet. 20

Figure 7. shews another manner of arranging the seat in the above arrangement.

Referring first to Figures 1. to 3. *a* is a belt pulley of comparatively large diameter which is mounted on a horizontal axis *a*¹, and *b* is a small pulley mounted on a horizontal axis *b*¹ *c* is a frame or casing having a base *c*¹ which may be clamped to a table or other support by any suitable means, and *c*² is a detachable cover which is connected to the said frame or casing by bolts *c*³. The casing and cover are provided with holes which constitute bearings for the above mentioned axes *a*¹ and *b*¹. 25

The axis *a*¹ is furnished with a crank handle *b*^x and the pulleys *a* and *b* are geared together by means of the belt *d*. 30

The axis *b*¹ is prolonged and terminates in a bifurcated portion *b*² which receives the polishing bob *b*³. By turning the crank handle *b*^x a rapid rotary motion is imparted to the pulley *a* and to the polishing bob which latter is available for polishing plated and other similar articles. The polishing bob may be impregnated with any suitable polishing powder for assisting in the polishing operation. 35

In the construction shewn at Fig. 4. the pulleys are enclosed within a casing *e* composed of wood and having wooden side plates *e*^x *e*^x which are connected to said casing by means of screws *f*. The box or casing thus produced is furnished with side castings *g*. having holes formed therein for receiving the ends of the axes *a*¹ *b*¹ of the pulleys. 40

These side castings are formed with feet *g*¹ by which the entire appliance rests upon the table or other support.

Referring now to Figs. 5 and 6 *A* is the large pulley and *B* the small one which are respectively fixed upon horizontal axes *A*¹ and *B*¹ mounted in bearings carried by the framing or standard *C*. *D* is a strong bracket projecting from the standard *C* and firmly connected thereto by the bolts *C*¹. This bracket is formed with an opening at *C*² through which passes the belt *E* that gears together the pulleys *A* and *B*. The outer end of said bracket is socketted for the reception of the stem *D*² of the tee piece *D*³, a set screw *D*⁴ being provided for locking the said tee piece in the desired position. *D*⁵ is a seat which is made in the form of a saddle having a socket *D*⁶ that can be shifted to or fro along the horizontal portions of the tee piece into any required position and can be locked in place by a set screw. *A*³ *A*³ are pedal cranks carried by the axis *A*¹ which cranks the user operates by the feet while seated upon the seat or 55

Corke's Domestic or Labour-saving Appliance for Polishing Plated and other Articles.

saddle D⁵ and thereby imparts rapid revolution to the axis B¹ through the intervention of the belt E and pulley B. It will be seen that the standard C is slotted in order to enable the pulley A to project therethrough and that said standard is provided with feet C^x C^x for giving stability to the entire structure. F is a gauze, 5 leather, or other suitable guard for covering that portion of the wheel which projects through the slot in the standard C and thereby prevents any chance of the user's garments becoming entangled with the pulley. The axis B¹ terminates at one end in a bob B² and at the other end in a conically shaped brush B³. By constructing the appliance in this manner both hands of the user are free and at 10 liberty to manipulate the articles under operation.

In Fig. 7. the rod or bar D¹ of the seat is adapted to enter a standard G. having feet G¹ and said standard is provided with a set screw G² for enabling the rod or bar D¹ to be held in any desired vertical position.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I 15 claim is:—

1. A labour saving appliance for polishing plated and other articles, having its parts constructed and arranged to be operated by hand substantially as hereinbefore described with reference to Figures 1. to 4. of the accompanying drawings.
- 20 2. A labour-saving appliance for polishing plated and other articles having its parts constructed and arranged to be operated by the feet of the user substantially as hereinbefore described with reference to Figures 5, 6 and 7 of the accompanying drawings.

Dated this 18th day of January 1895.

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WM. MELLERSH-JACKSON,
75, Chancery Lane, London, W.C., Agent for the Applicant.